

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IT2004/000389

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G07B17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G07B B07C G07F H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 306 813 A (SAMKYUNG C & C CO LTD) 2 May 2003 (2003-05-02)	1, 3-33, 35-37
Y	paragraph '0015! - paragraph '0018! paragraph '0021! - paragraph '0022! figures 1-4, 6, 7	2, 34
Y	US 5 828 469 A (KOWALSKI ROBERT P ET AL) 27 October 1998 (1998-10-27) column 1, line 48 - column 2, line 44 column 3, line 26 - column 5, line 57 figures 1-6	2, 34
X	EP 0 701 227 A (SIEMENS NIXDORF INF SYST) 13 March 1996 (1996-03-13)	1, 16, 37
A	column 3, line 29 - column 5, line 9 figures	34
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

19 October 2004

Date of mailing of the international search report

03/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 169 978 B1 (SIEBER STEFAN ET AL) 2 January 2001 (2001-01-02)	16,37
A	column 1, line 60 - column 2, line 14 column 3, line 1 - line 42 column 4, line 40 - line 42 column 5, line 1 - line 17 column 6, line 6 - line 13 -----	1,34
A	US 5 280 545 A (MASUDA RYUICHI) 18 January 1994 (1994-01-18) column 2, line 25 - column 3, line 29 figures 1,4,7 -----	1,34

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IT2004/000389

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1306813	A	02-05-2003	KR 2003004975 A EP 1306813 A2	15-01-2003 02-05-2003
US 5828469	A	27-10-1998	NONE	
EP 0701227	A	13-03-1996	DE 4432209 C1 DE 59509462 D1 EP 0701227 A1 ES 2161257 T3	21-03-1996 06-09-2001 13-03-1996 01-12-2001
US 6169978	B1	02-01-2001	DE 19545158 A1 AT 179271 T CA 2233360 A1 WO 9713223 A1 DE 29521102 U1 DE 59601733 D1 EP 0852775 A1 EP 0858055 A2 ES 2134006 T3	05-06-1997 15-05-1999 10-04-1997 10-04-1997 08-08-1996 27-05-1999 15-07-1998 12-08-1998 16-09-1999
US 5280545	A	18-01-1994	JP 2234273 A JP 2821161 B2 JP 2179159 A DE 68926160 D1 DE 68926160 T2 EP 0376312 A2	17-09-1990 05-11-1998 12-07-1990 09-05-1996 02-10-1996 04-07-1990